



AMENDMENT

Please enter the following amendments:

IN THE CLAIMS

Please add new claims 14-15 as follows:

14. The method of claim 13 wherein a heat transfer fluid flows in a cross-current relationship to the at least one gas phase reactant.

15. The chemical reactor of claim 4 wherein the heat transfer microchannel comprises a heat exchange fluid flowing cross-current to said at least one gas phase reactant.

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